

# ***User Tool Upgrades – Pygmalion Status and RGUI Station***

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RELAP5 International Users Seminar

Date: September 12, 2013

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## ***Introduction: Updates and Upgrades***

- PYGMALION Enhancements/Bug Fixes
- RGUI Station Conversion to JAVA
- RGUI Station Demo

# ***PYGMALION      A RELAP5-3D User Aid Program***

## ***Bug Fixes***

- Bug fixes
  - Pump and valve data not being copied to new input file
  - –B option (NOTE)
    - -B stops ignoring blanks in the front of a line
    - Informational cards get copied/ ignored correctly
    - Spaces in front of components cause values to not be copied to the output files
    - Don't places spaces in front of component card definitions



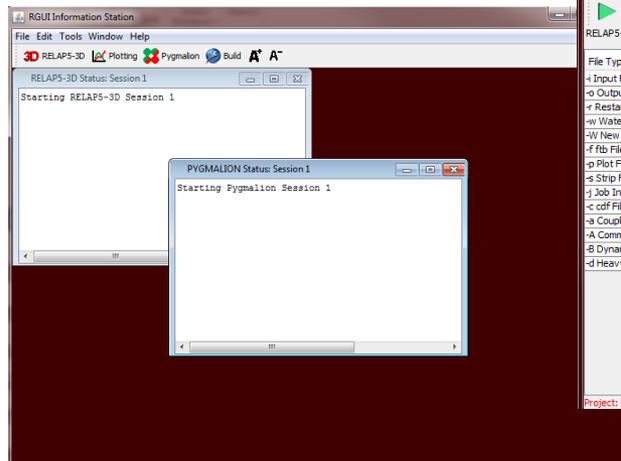
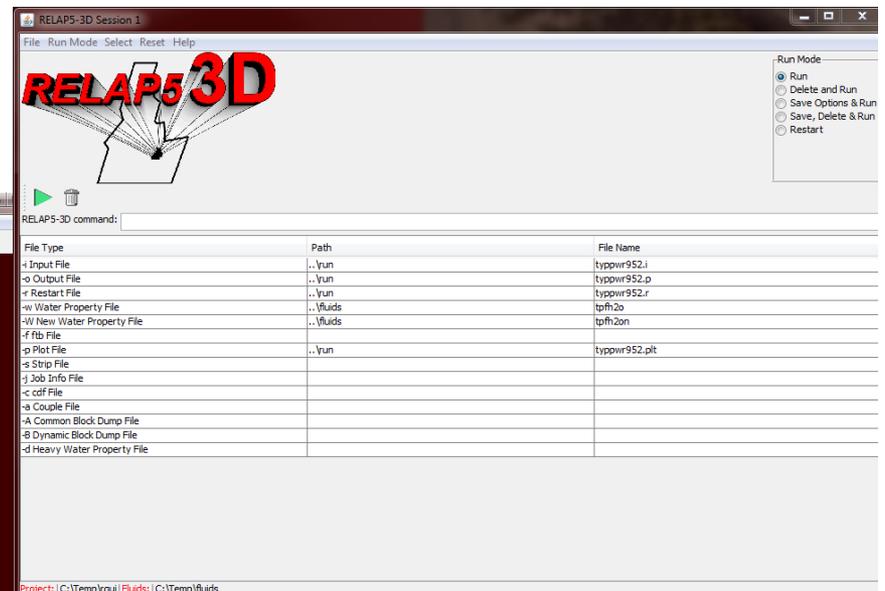
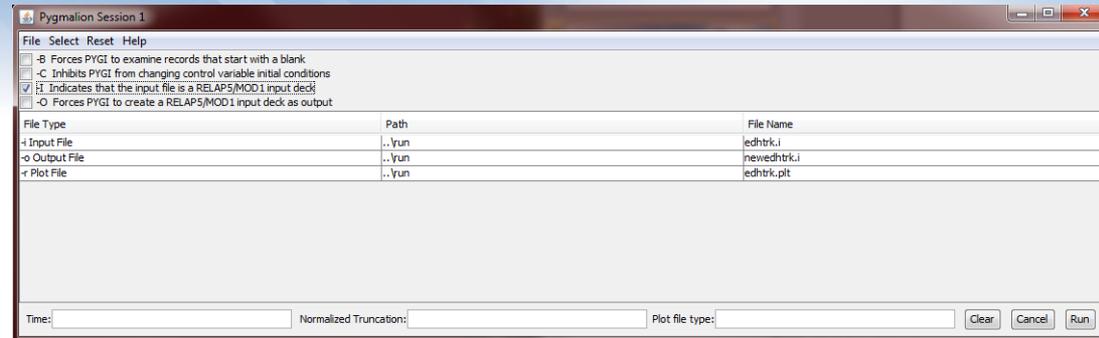
# ***PYGMALION A RELAP5-3D User Aid Program Enhancements***

- Added ability to read 4 Byte XDR plot file formats (maintained 8 Byte)
- Java RGUI upgrade require changes to PYGI I/O
  - Standard IO < > redirects don't work with Java
  - Add command line options to indicate input (-i) and output (-o) files
- Updated PIB files
  - With Ken Jones' fix
- Updated Manual



# RGUI Conversion

- Originally written in Tcl/TK
- Now Java 1.6 or greater
- Develop in Two Phases
  - RGUI Station (RELAP5, PYGI, Plotting, Building) **Done?**
  - Isometric Image (Stick figured, 3D Pipes) **More To Come!**
- Documentation
  - Configuration Guide
  - Help Manual



# ***RGUI DEMO***

## *Conclusions*

- PYGMALION has been upgraded:
  - Enhanced Error messages
  - -i -o input flags
  - 4 Byte XDR
  - Documentation
- RGUI Station
  - RELAP5
  - PYGI
  - User Selected Plotting and Build Tools
  - Documentation
  - Tested on Windows and Linux